

Health Department,
15, Stockwell Street,
Leek, Staffs.

To the Chairman and Members of the Health Committee of the
Leek Urban District Council.

Gentlemen,

I have the honour to present to you my
seventh Annual Report, being for the year 1946. In doing so
I follow the lines indicated by the Minister of Health in
Circular 28/46.

SOCIAL CONDITIONS

The population is mainly composed of artisans
employed in the textile industries of the manufacture and
dyeing of silk and artificial silk.

GENERAL STATISTICS

The area of the Urban District is 4,306 acres
with an estimated population of 18,220.

The rateable value is £103,450 and a penny
rate produces £414. 9. 6d.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Live Births -

Legitimate	323	Birth rate per 1,000 of the	18.61
Illegitimate	15	estimated resident population	

<u>Still Births</u>	11	Rate per 1,000 total births	31.25
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Deaths -	245	Death rate per 1,000 of the	13.45
		estimated resident population	

Mean age at death -


Males 57.6 years; Females 66.08 years; Males & Females 61.84 years

Deaths from puerperal causes (Headings 29 and 30 of the Registrar General's short list)

No. 29 Puerperal Sepsis	...	...	...	...	Nil
No. 30 Other Puerperal causes	...	...	...	...	"

Death rate of infants under one year of age -

All infants per 1,000 live births	...	...	...	56.21
Legitimate infants per 1,000 legitimate live births				58.82
Illegitimate infants per 1,000 illegitimate live births				nil



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Deaths from Measles (all ages)
" " Whooping Cough (all ages)
" " Diarrhoea (under 2 years of age)

PUBLIC HEALTH STAFF

- X. Medical Officer of Health (Part time)-
Arthur Collis Hallowes, M.B., B.Ch. B.A.O.(T.C.Dub.) L.M. (Rotunda)
- X. Chief Sanitary Inspector - also Inspector under the Housing Acts,
Factory and Workshops Act, Shops Acts and Petroleum Act -
James Rowbotham, Assoc. M.C.T., M.S.I.A.
- X. Sanitary Inspector - G. Ellis M.S.I.A. Resigned January 1946.
R. Scott M.S.I.A. Appointed February 1946.
Resigned September 1946.
M.H.Beckwith M.S.I.A. Appointed 14/10/46.
M.R.S.I.
- Clerk - Miss A. M. Longbottom
- Engineer & Surveyor -
J. A. Gilchrist, M.Inst. M.& Cy.E., P.A.S.I., A.M.I., Struct. E.
- Sewage Works Manager -
R. Newman, A.M.Inst. S.P.

AMBULANCE FACILITIES.

We have two vehicles used solely for this work. The Rolls Royce Ambulance is used chiefly for the removal of surgical cases, accidents etc., whilst the Austin Ambulance is used for Infectious Disease purposes.

TABLE 1.

Notifiable Diseases during the year

Disease	Notified	Removed to Leek Isolation Hospital, Bagnall Smallpox Hospital or N.Staffs. Infirmary.		Deaths.
Scarlet Fever	54	54	100%	
Whooping Cough	8			
Measles	57			
Diphtheria	3	3	100%	
Pneumonia	8			
Dysentery	1			
Erysipelas	1			
Ophthalmia Neonatorum	1			
Erythema Multiforma	1			
B. Paratyphoid	1	1	100%	
Cerebro Spinal Fever	3	3	100%	
	<u>138</u>			

- X. One half of salaries is contributed by Exchequer grants.

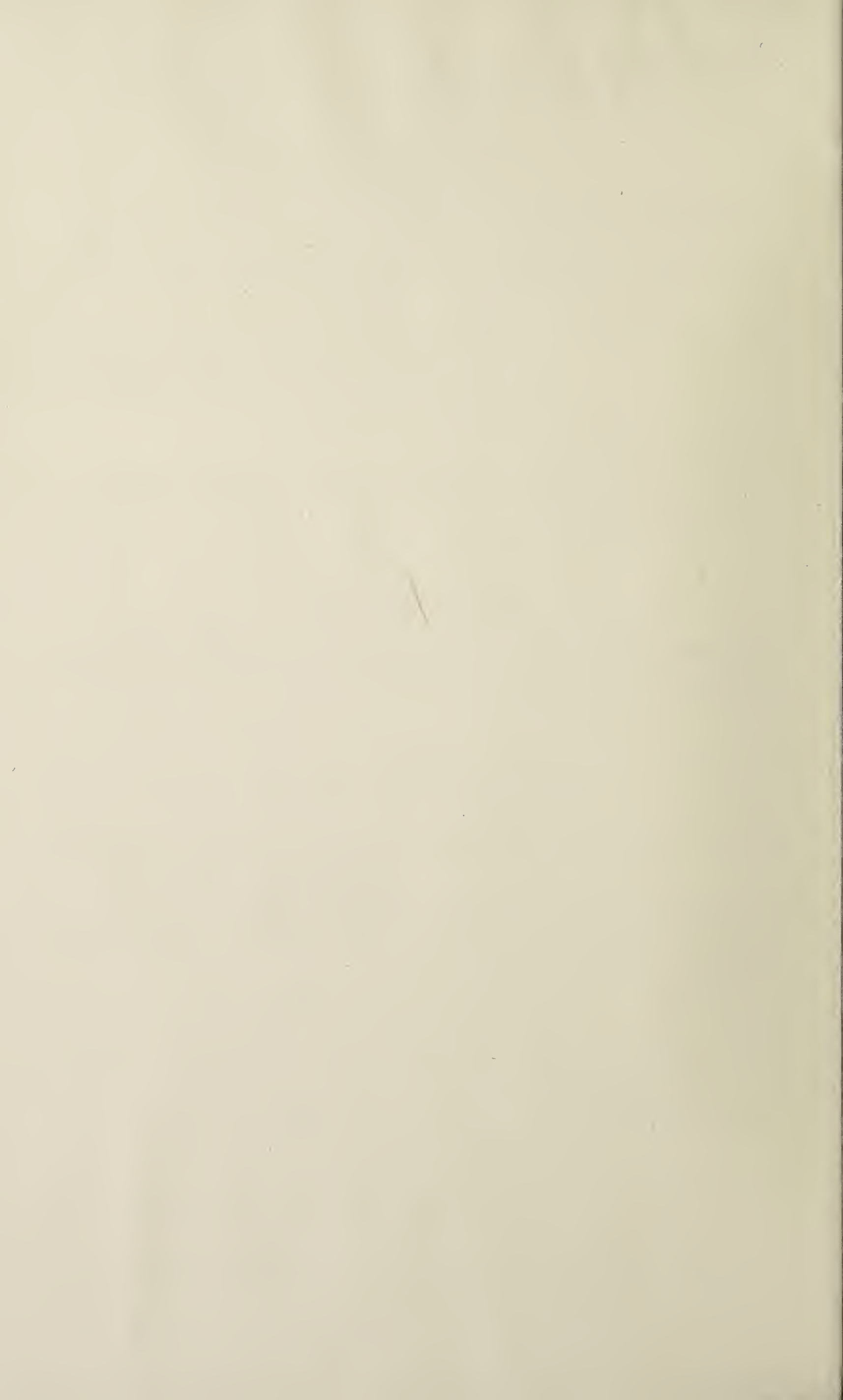


TABLE 11.
Analysis of Notifiable Diseases.

		Age											
		0	1	2	3	4	5	10	15	20	35	45	45
		1	2	3	4	5	10	15	20	35	45	65	65
Scarlet Fever	54		1	2	2	4	34	5	2	3	1		
Whooping Cough	8		3	1	1	2	1						
Measles	57	1	3	3	17	9	22		2				
Diphtheria	3		1			1		1					
Pneumonia	8						1	2		1			4
Dysentery	1												1
Erysipelas	1												1
Ophthalmia Neonatorum	1	1											
Erythema Multiforma	1										1		
B. Paratyphoid	1									1			
Cerebro Spinal Fever	3	2							1				
Total	138	4	8	6	20	16	58	8	5	5	2	6	

TUBERCULOSIS

There has been a decrease in the number of Tuberculosis notified, details of which are given in Tables 3 and 4.

5 cases of Pulmonary and 7 cases of Non-Pulmonary Tuberculosis were notified during the year. 3 cases of Pulmonary and 1 case of Non-Pulmonary Tuberculosis received Sanatorium treatment.

TABLE 111.

TUBERCULOSIS

NEW CASES

MORTALITY

NEW CASES				MORTALITY			
Pul.		Non-Pul		Pul.		Non-Pul	
M.	F.	M.	F.	M.	F.	M.	F.
1.		1	1			1	1
5.		1					
10.							
15.		1	1				
20.							
25.				1			
35.	1		1	2			
45.	1			1			
55.			1	1			
65 up.							
2	3	3	4	5		1	1
5		7		5		2	

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TABLE IV.
Notification of Tuberculosis

Year	Pulmonary	Non-Pulmonary	Total
1935	19	3	22
1936	12	7	19
1937	15	7	22
1938	16	5	21
1939	10	9	19
1940	10	2	12
1941	10	7	17
1942	20	4	24
1943	17	13	30
1944	6	-	6
1945	11	5	16
1946	5	7	12

ISOLATION HOSPITAL

Matron - Miss E. Ulett.

The Isolation Hospital was taken over on October 1st 1938 by the Newcastle and District Joint Hospital Board. Our representation on this Board is three and meetings of the Joint Board were held as occasion demanded during the year.

Patients were dealt with during the year as follows:-

In Hospital on January 1st 1946	...	...	...	...	1
Scarlet Fever	...	...	...	...	1
Diphtheria	...	...	...	...	-
Admitted during 1946	...	...	...	...	60
Scarlet Fever	...	...	...	...	54
Diphtheria	...	...	...	...	3
Cerebro Spinal Fever	...	...	...	...	3

In submitting my seventh Annual Report I am glad to say that the work has been carried on in the Health Department in a satisfactory manner. I have received every help from the Chief Sanitary Inspector and his Staff and I thank them for their co-operation at all times. Again this year the campaign for the immunisation of children against Diphtheria has given proof of its effectiveness for only three cases were notified in the Urban Area. We had a small epidemic of Scarlet Fever - fifty-four cases in all. The general health of the population has been good but there is a crying need for more houses, as we have some eight hundred persons who have applied for houses.

A. COLLIS HALLOWES.

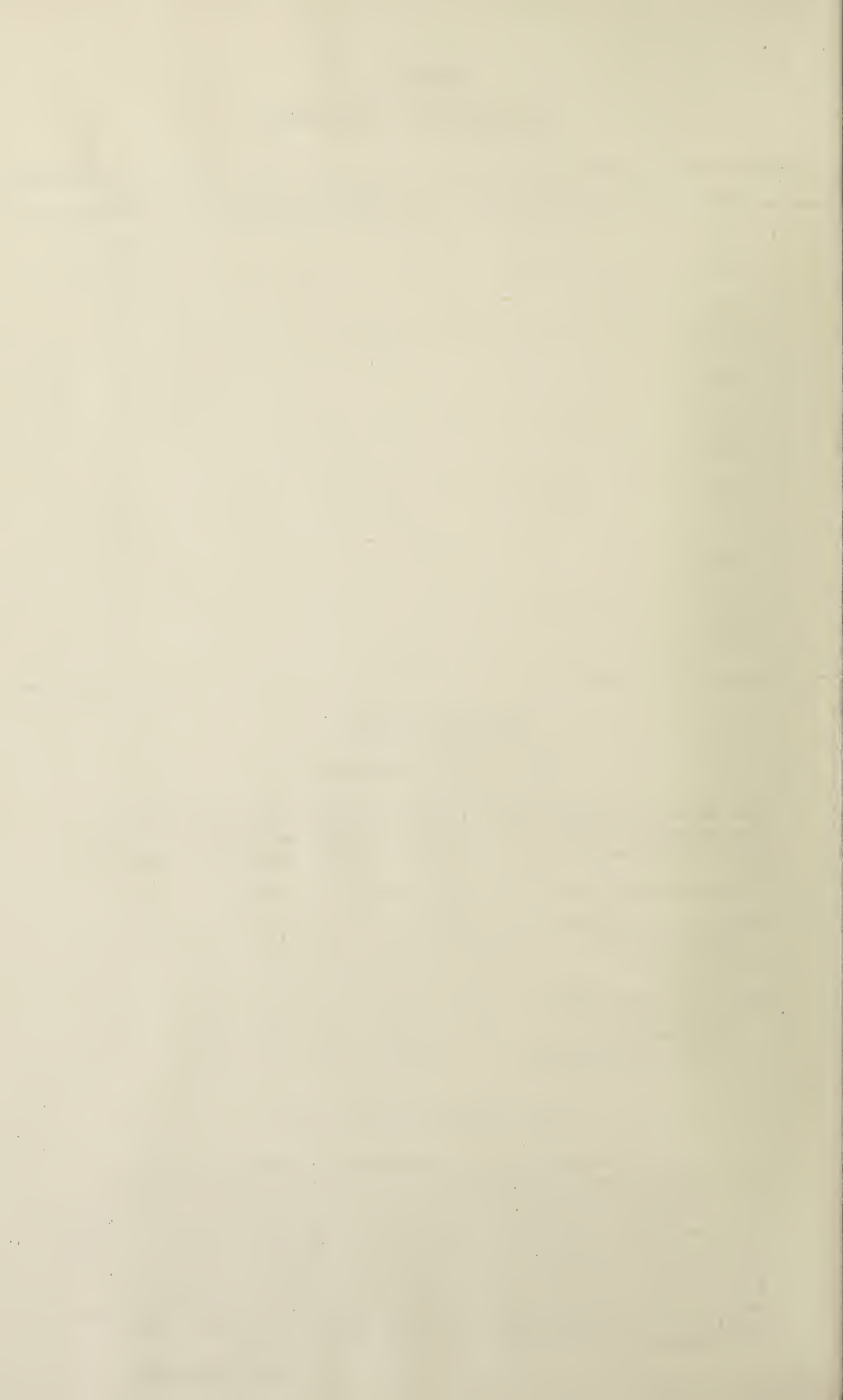


TABLE VI.
ANALYSIS OF DEATH RETURNS

	Sex	All Ages		Sex	All Ages
All causes	M	124	20. Other dis. of circ. system	M	2
	F	121		F	3
1. Typhoid and parat; Fevers	M	-	21. Bronchitis	M	3
	F	1		F	3
2. Cerebro Spinal Fever	M	-	22. Pneumonia	M	7
	F	1		F	4
3. Scarlet Fever	M	-	23. Other resp. diseases	M	1
	F	-		F	1
4. Whooping Cough	M	-	24. Ulcer of stomach	M	2
	F	-		F	1
5. Diphtheria	M	-	25. Diarrhoea (under 2 years)	M	-
	F	-		F	-
6. Tuberculosis of Respiratory system	M	6	26. Appendicitis	M	2
	F	1		F	-
7. Other Tuberculosis Diseases	M	2	27. Other Digestive Diseases	M	2
	F	-		F	3
8. Syphilitic Disease	M	2	28. Nephritis	M	2
	F	-		F	3
9. Influenza	M	3	29. Puerperal Sepsis	F	-
	F	1		M	-
10. Measles	M	-	30. Other maternal causes	F	-
	F	-		M	-
11. Ac. Polio-myel & Polio-encephalitis	M	-	31. Premature birth	M	2
	F	-		F	2
12. Acute Inf. Encephalitis	M	-	32. Congenital malformations birth inj. infantile dis.	M	7
	F	-		F	2
13. Cancer of B.Cav: Oesoph (M) Uteru. (F)	M	2	33. Suicide	M	1
	F	1		F	1
14. Cancer of stomach & Duodenum	M	4	34. Road traffic accident	M	2
	F	4		F	-
15. Cancer of Breast	M	1	35. Other violent causes	M	4
	F	1		F	1
16. Cancer of all other sites	M	10	36. All other causes	M	13
	F	2		F	8
17. Diabetes	M	-			
	F	-			
18. Intracranial vascula lesions	M	9			
	F	13			
19. Heart disease	M	35			
	F	64			

Health Department,
15 Stockwell Street,
Leek.

CHIEF SANITARY INSPECTOR'S REPORT.

To the Chairman and Members of the Leek Urban District Council.

Gentlemen,

I have the honour to submit my thirteenth Annual Report being for the year 1946, and in doing so have followed the suggestions contained in the Ministry of Health Circular 28/46.

As mentioned in my report for last year, it has not been possible to insist upon extensive works of improvement and repairs to existing property where it is found that it cannot be classified as of great urgency. To insist upon minor repairs being carried out to existing houses would necessitate a diversion of labour and material from the building of new houses which is entirely uncalled for and unfair to the many hundreds of applicants who are awaiting satisfactory accommodation.

The Sanitary Officer cannot be otherwise than very concerned at the overcrowding that exists and more particularly when there are diseases such as pulmonary tuberculosis existing in addition, and it is therefore gratifying to know that the Housing Committee have decided that where a case of pulmonary tuberculosis cannot have a separate bedroom the applicant for accommodation shall not have to take his place in the queue under the "points scheme" but will be dealt with separately and on merit.

Elsewhere in the report will be found details of our activities under the Rats and Mice Destruction Act and the remarkable results we have achieved during the twelve months. During the year the Health Committee ~~have~~ decided to appoint a full time rodent operative to be engaged solely on this work, and I am sure you will agree that the decision was a wise one and the results have amply justified the appointment.

The inspection of all animals slaughtered at the Abattoir has again worked smoothly during the year, and I should like to record my appreciation of the co-operation we have received from the Manager and men at the Slaughterhouse. As is well-known the conditions existing at this Slaughterhouse are far from satisfactory both as regards actual slaughtering of the animals, storage and the difficulties encountered in the inspection of carcasses and offals, and it is to be hoped that the day is not far distant when the Council may be allowed to build a small modern Abattoir suitable for the needs of the District.

Finally, Gentlemen, I should like to record my appreciation of the co-operation and understanding shown to me at all times by the Medical Officer of Health and the loyalty and assistance I have always received from the Staff of the Health Department.

MEAT

There was only one slaughterhouse in use during the year and 558 visits were made for the purpose of inspection.

The number of carcasses inspected was 8,110 comprising 2781 Oxen, 890 Calves, 4322 Sheep and 117 Pigs.

107 whole carcasses and the following organs were found to be unsound or diseased and were condemned as unfit for human consumption.

CARCASSES INSPECTED AND CONDEMNED.

	Cattle	Calves	Sheep & Lambs	Pigs
Number killed (if known)	2781	890	4322	117
Number inspected	2781	890	4322	117
All diseases except Tuberculosis whole carcass condemned.	25	1	4	2
Carcasses of which some part or organ was condemned.	499	7	448	3
Percentage of the number in- spected affected with disease other than Tuberculosis.	18.9%	.89%	10.46%	4.3%
Tuberculosis only whole carcass condemned	72	2	-	1
Carcass of which some part or organ was condemned	705	1	-	1
Percentage of the number in- spected affected with Tuberculosis	28.01%	.33%	-	1.7%

TABLE SHOWING NUMBER OF CARCASSES
CONDEMNED WITH CAUSES OF CONDEMNATION.

	<u>CATTLE</u>				<u>SHEEP</u>	
	<u>Whole Carcass & Offal</u>	<u>Quarters Hind Fore</u>		<u>Meat</u>	<u>Whole Carcass & Offal</u>	<u>Mutton</u>
<u>TUBERCULOSIS</u>	72	6	24	221 lbs.		
<u>EMACIATION & OEDEMA</u>	14	-	-	-	3	-
<u>SEPTIC CONDITIONS</u>	5	-	-	-	-	-
<u>PERITONITIS</u>	1	-	-	-	-	-
<u>SEPTICAEMIA</u>	1	-	-	-	-	-
<u>MORIBUND</u>	2	-	-	-	1	-
<u>JOHNES DISEASE</u>	1	-	-	-	-	-
<u>JAUNDICE</u>	1	-	-	-	-	-
<u>INJURY</u>	-	8	-	949 lbs.	-	-
<u>Totals</u>	<u>97</u>	<u>14</u>	<u>24</u>	<u>1170 lbs.</u>	<u>4</u>	<u>-</u>

	<u>CALVES</u>				<u>PIGS</u>	
<u>TUBERCULOSIS</u>	2	-	-	-	1	-
<u>SEPTIC CONDITIONS</u>	-	-	-	-	1	-
<u>PERITONITIS</u>	1	-	-	-	1	-
<u>INJURY</u>	-	-	-	9 lbs.	-	67 lbs.
<u>Totals</u>	<u>3</u>	<u>-</u>	<u>-</u>	<u>9 lbs.</u>	<u>3</u>	<u>67 lbs.</u>

1. The first part of the report is a general introduction to the subject of the study. It discusses the importance of the problem and the objectives of the research.

2. The second part of the report is a detailed description of the methods used in the study. It includes a discussion of the data sources and the statistical techniques employed.

3. The third part of the report is a presentation of the results of the study. It includes a discussion of the findings and their implications for the field of research.

4. The fourth part of the report is a conclusion and a discussion of the limitations of the study. It also includes a list of references and an appendix of supplementary material.

5. The fifth part of the report is a summary of the main findings of the study. It includes a discussion of the overall results and a final conclusion.

TABLE SHOWING NUMBER OF ORGANS
CONDEMNED WITH CAUSES OF CONDEMNATION.

	<u>CATTLE</u>	<u>CALVES</u>	<u>SHEEP</u>	<u>PIGS</u>
<u>LUNGS:</u>				
Tuberculosis	605	1	-	-
Pleurisy	14	-	-	-
Parasites	140	-	-	-
Abscesses	7	1	-	-
Pneumonia	12	-	1	-
Emphysema	10	-	-	-
Other conditions	15	-	2	1
Total	<u>803</u>	<u>2</u>	<u>3</u>	<u>1</u>
<u>HEARTS:</u>				
Pericarditis:T.B.	4	-	-	-
Pericarditis	19	1	2	-
Cysts	11	-	-	-
Fatty Degeneration	1	-	-	1
Total	<u>35</u>	<u>1</u>	<u>2</u>	<u>1</u>
<u>MESENTERIES:</u>				
Tuberculosis	71	-	-	-
Peritonitis	1	-	-	-
Total	<u>72</u>	-	-	-
<u>STOMACHS:</u>				
Tuberculosis	7	-	-	-
<u>SPLEENS:</u>				
Tuberculosis	14	-	-	-
<u>HEADS & TONGUES:</u>				
Tuberculosis	346	-	-	-
Actinomycosis	23	-	-	-
Abscesses	4	1	-	-
Injury	1	-	-	-
Total	<u>374</u>	<u>1</u>	-	-
<u>LIVERS:</u>				
	<u>Whole</u>	<u>Part</u>		
Tuberculosis	147		-	1
Necrosis	4		-	-
Abscesses	76		1	-
Cirrhosis	15		-	-
C. Angioma	113		-	-
Distomatosis	234	726	2	-
Fatty Degeneration	142		1	-
Cysts	9		-	-
Total	<u>760</u>	<u>726</u>	<u>4</u>	<u>1</u>
<u>SKIRTS:</u>				
Tuberculosis	4		-	-
Pleurisy	2		-	-
Total	<u>6</u>			

TABLE VIII.

H O U S I N G

1.	Inspection of Dwelling-houses during the year:	
(1)	(a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	13
	(b) Number of inspections made for the purpose	31
(2)	(a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Act 1936.	13
	(b) Number of inspections made for the purpose	31
(3)	Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation.	2
(4)	Number of dwelling-houses (exclusive of those referred to under the previous sub-head) found not to be in all respects reasonably fit for human habitation.	13
2.	Remedy of defects during the year without service of formal notice:	
	Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers.	Nil
3.	Action under Statutory powers during the year:	
	(a) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936:	
	(1) Number of dwelling-houses in respect of which notices were served requiring repairs.	Nil
	(2) Number of dwelling-houses which were rendered fit after service of formal notices:	
	(a) By Owners	Nil
	(b) By Local Authority in default of owners.	Nil
	(b) Proceedings under Public Health Acts:	
	(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied.	2
	(2) Number of dwelling-houses in which defects were remedied after service of formal notices:	
	(a) By Owners	Nil
	(b) By Local Authority in default of owners.	Nil

TABLE VIII (Continued)

- (c) Proceedings under sections 11 and 13 of the Housing Act, 1936:
- (1) Number of dwelling-houses in respect of which Demolition Orders were made Nil
 - (2) Number of dwelling-houses demolished in pursuance of Demolition Orders. Nil
- (d) Proceedings under section 12 of the Housing Act, 1936:
- (1) Number of separate tenements or under-ground rooms in respect of which Closing Orders were made. Nil
 - (2) Number of separate tenements or under-ground rooms in respect of which Closing Orders were determined, the room or tenement having been rendered fit. Nil

HOUSE REFUSE REMOVAL.

There are three motor vehicles engaged solely on the collection of house refuse disposed of by tipping.

2,303 loads of ashes and house refuse were removed during the year.

RODENT CONTROL.

The destruction of rats and mice in private dwellings, business premises, sewers and the Council's tip occupied a great deal of time during the year, and in May 1946 it was found necessary to appoint a full time rodent operative to undertake this work.

Two maintenance treatments of sewers were undertaken and the results showed that these were still infested and if no control were exercised could become quite a danger to surrounding property. During the first treatment 184 manholes were baited out of a possible 491 with takes showing at 35 and during the second treatment 156 manholes were baited with takes showing at 69. It is estimated that a total number of 520 rats were destroyed during these two treatments.

51 business premises were inspected and 19 requests were received for treatment after evidence of infestation was indicated. These premises were all treated with satisfactory results.

The private dwelling scheme brought forward by the Ministry of Food was adopted and a total number of 2,768 dwellings were inspected for evidence of infestation. Out of these 87 were test-baited but only 17 found to be actually infested. These were all treated and subsequent post-baiting showed that all the rats had been poisoned.

Regular inspections of the River Churnet were carried out but on no occasion was it found necessary to carry out any form of treatment.

A weeks blitz treatment of our tip was commenced on Monday September 30th 1946. The co-operation of the Ministry of Food squad was solicited and during the treatment 550 baits were laid. Poisoning was by means of zinc phosphide and within a space of fifteen minutes rats were found dead or dying. The total number of bodies picked up was 530. Estimated kill - 2,000 rats.

TABLE 1X

SANITARY INSPECTION OF THE TOWN.

1. Premises cleansed and repaired	...	...	...	...	3
2. Drains tested	...	...	...	...	4
3. " reconstructed	...	...	...	...	5
4. " repaired	...	...	...	...	5
5. " cleansed	...	...	...	...	21
6. Water closets cleansed	...	...	...	...	1
7. " " repaired	...	...	...	...	10
8. " " constructed	...	...	...	...	4
9. Flushing arrangements provided	...	...	...	...	8
10. Waste pipes altered or repaired	...	...	...	...	9
11. Rain water pipes repaired	...	...	...	...	4
12. Roofs and gutters repaired	...	...	...	...	18
13. Additional ventilation provided	...	...	...	...	3
14. Additional light provided	...	...	...	...	1
15. Damp conditions remedied	...	...	...	...	23
16. Yards drained and paved	...	...	...	...	1
17. Dustbins provided	...	...	...	...	30
18. Fireplaces provided or repaired	...	...	...	...	12
19. Coppers provided or repaired	...	...	...	...	3
20. Cases of overcrowding abated	...	...	...	...	-
21. Accumulations of manure, etc., removed	...	...	...	...	5
22. Smoke nuisances	...	...	...	...	-
23. Cesspools cleansed	...	...	...	...	1
24. Rooms disinfested	...	...	...	...	72
25. Privies converted into water closets	...	...	...	...	-
26. Staircases repaired	...	...	...	...	3
27. Handrails provided	...	...	...	...	2
28. Windows repaired	...	...	...	...	15
29. Floors repaired	...	...	...	...	11
30. Walls and ceilings repaired	...	...	...	...	7
31. Food storage provided	...	...	...	...	-
32. Water supply provided or repaired	...	...	...	...	7
33. Sinks provided	...	...	...	...	4
34. Doors repaired	...	...	...	...	9
35. Back doors provided	...	...	...	...	-
36. Walls pointed	...	...	...	...	7
37. Chimney stacks repaired	...	...	...	...	1
38. Other nuisances	...	...	...	...	3
					<u>312</u>
No. of preliminary notices served	...	...	...	...	112
No. of preliminary notices complied with without the service of statutory notices	...	...	...	...	92
No. of statutory notices served	...	...	...	...	2
No. of statutory notices complied with	...	...	...	...	2

TABLE X

No. of premises where Notifiable diseases have occurred	150
No. of premises inspected where " " "	56
No. of premises disinfected " " "	60
Nuisances reported to Health Department " "	120
Inspection of premises where nuisances were found	117
" premises where no nuisances were found	3
" premises where offensive trades are conducted	-
" houses let in lodgings	6
" Common Lodging Houses	4
" Workshops	6
" Factorios	14
" Slaughterhouses	558
" Dairies, Milkshops and Farms	42
" Bakehouses	18
" Markets and Stalls	50
" Food premises	51
re-inspections after complaints	320
" under Housing Acts	40
	<u>1615</u>

MILK AND DAIRIES ORDER 1926.

The register under this Order is made up as follows:-

88 persons registered

47 as cowkeepers

77 as retail purveyors

24 as retailers of bottled and sterilized milk

47 as wholesale producers

THE MILK (SPECIAL DESIGNATIONS) ORDER 1936.

Under this Order there are twenty-three persons licensed to sell Accredited Milk; one to sell Tuberculin Tested Milk and one to sell Pasteurised Milk from seven premises.

1. The first part of the paper is devoted to a general discussion of the problem.

2. The second part is devoted to a detailed analysis of the results.

3. The third part is devoted to a discussion of the conclusions.

4. The fourth part is devoted to a discussion of the future work.

FOOD INSPECTIONS.

No. of Inspections	...	...	...	...	91
<u>Foodstuffs Condemned</u>	...	...	...	...
Assorted Foodstuffs	...	...	...	...	607 tins
Butter	...	...	...	...	1 $\frac{1}{2}$ lbs.
Cheese	...	...	...	...	37 "
Bacon	...	...	...	...	19 $\frac{1}{2}$ "
Sultanas	...	...	...	...	91 $\frac{3}{4}$ "
Flour	...	...	...	...	132 "
Dried Peas	...	...	...	...	78 "
Ground Nut Oil	...	...	...	...	8 gallons
Beetroot	...	...	...	...	7 jars
Loaves	...	...	...	...	88
Sponge varieties	...	...	...	...	12 pkts.
Chocolate	...	...	...	...	97 bars
Potatoes	...	...	...	...	3 $\frac{1}{2}$ cwts.
<u>Imported and Canned Meats</u>					
Canned Corned Beef	...	...	...	...	1,907 lbs.

J. ROWBOTHAM.

